

**Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1 (Currently amended). A seed of soybean variety XB55K04, representative seed of said soybean variety XB55K04 having been deposited under ATCC Accession No. [[ \_\_\_\_\_ ]] PTA-6437.

Claim 2 (Previously presented). A soybean plant, or a part thereof, produced by growing the seed of claim 1.

Claim 3 (Previously presented). The soybean plant part of claim 2 wherein said part is pollen.

Claim 4 (Previously presented). The soybean plant part of claim 2 wherein said part is an ovule.

Claim 5 (Previously presented). A tissue culture of protoplasts or regenerable cells from the plant of claim 2.

Claim 6 (Previously presented). The tissue culture according to claim 5, wherein the cells or protoplasts are produced from a plant tissue selected from the group consisting of leaf, pollen, cotyledon, hypocotyl, embryos, root, pod, flower, shoot and stem.

Claim 7 (Currently amended). A soybean plant regenerated from the tissue culture of claim 5 having all the morphological and physiological characteristics of soybean variety XB55K04, representative seed of said soybean variety XB55K04 having been deposited under ATCC Accession No. [[ \_\_\_\_\_ ]] PTA-6437.

Claim 8 (Previously presented). A method for producing a progeny soybean plant comprising crossing the plant of claim 2 with a different soybean plant, harvesting the resultant soybean seed, and growing a soybean plant.